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2010 ANNUAL REPORT for the WEST LAFAYETTE ENGINEERING DEPARTMENT

The following is a brief summary of the projects, developments, and day to day operations of the West Lafayette City Engineer's Office in 2010.

Road Projects:

- **Lindberg Bridge:** Design was completed on a new bridge over the Celery Bog in August and construction commenced in November. With the construction of the bridge, a final, permanent solution is underway. Project bids came in at \$4.3M which was much lower than expected. Work will be completed later this year and the road will be open for traffic in time for the first home football game. The contractor, Jack Isom Construction, is making good progress on installation of the steel piling and should be starting pier encasements in the coming weeks.

- **Cumberland Avenue Reconstruction:**

Phase 1: The first phase of a \$10M corridor improvement and reconstruction project for Cumberland was completed in October 2010. The project was finished on-time and under budget, at \$2.3M. Major safety improvements were included in the project as well as sustainable practices for stormwater, raingardens, environmentally sensitive lighting and recycling of construction materials. Safety improvements included new sidewalks and trail, bus shelter & pull off, new pavement, and a modern roundabout at Kent and Cumberland.

Phase 2: The design for the next phase of Cumberland is well underway with utility relocation set to begin in 2011 and construction in 2012. The project is expected to cost \$3.5M and will include similar improvements as phase 1. New trail will be installed along the north side of the street and new roundabouts will be built to improve safety and provide traffic calming.

- **Purdue Transportation Plan / Harrison Street Widening:** Design was completed in December 2010, and will proceed through the INDOT bidding process in January 2011. Much of 2010 was dedicated to utility coordination with Purdue University and other various utilities. The project design was also coordinated with INDOT and the new US 231 by-pass as well as the city's Western Interceptor Project. Harrison St. will be widened to 4 lanes from Martin Jischke Dr. to Sheetz St. setting the stage for a new gateway into Purdue's south campus area. Work on the project will take 2 years and is expected to cost approximately \$5.6M.
- **Sycamore Lane:** Traffic calming improvements were completed on Sycamore Lane in early spring of 2010. The reconstruction included new curb bump-outs to slow traffic and new sidewalks, driveways and streetscaping. The project cost was just over \$650,000 with 90% paid by a federal safety grant. This project increased safety, sidewalk connectivity and ADA access, while decreasing speeds and reducing pavement.
- **Yeager Road Reconstruction, Phase I:** Progress continued in 2010 on improvements to Yeager Rd. between Northwestern and US 52. The existing street will be widened to 5 lanes and will include a 10' multi-use new trail and sidewalks. A roundabout will be constructed at the intersection of Yeager and Northwestern to safely accommodate traffic and the sharp angle of the intersecting streets. Numerous utilities will need to be relocated, and additional right-of-way is being acquired. Expect to see utility work begin this summer with road construction starting late this year and through next summer (2012). This is an important and long over-due project that will greatly improve the city in this area. The project cost is estimated to cost \$2.3M with 80% paid by federal transportation dollars.
- **Salisbury Street:** Salisbury is nearly fully reconstructed and/or repaired from north to south, from one end of the city to the other. During the summer of 2010, repairs and resurfacing was completed from Wiggins to Robinson. The next and final remaining sections of Salisbury will begin design in 2011 and will reconstruct Salisbury from Rainbow to US 52. Repairs and resurfacing will also take place on the south end from Wood to Williams St. and from South St. to North St.
- **2010 Street Resurfacing, Sidewalk Repairs and ADA Ramps:** Once again, the city staff oversaw more than \$700,000 worth of improvement to city streets and infrastructure. Over the last 4 years over \$2.3M has been invested in repairing and maintaining on street infrastructure through this program with an annual average of \$600,000/year.

Sidewalk Projects:

- **Robinson St. Sidewalks:** (CDBG Funding). Sidewalk and curb improvements continue on Robinson St. Phase 2 was completed in August of 2010 and ran from DeHart and Stadium. The project cost was \$100,000 and was paid by CDBG funds. The last phase of Robinson St. (Stadium Ave. to N. River Rd.) will be completed this summer.

Other Projects:

- **Safe Routes to School:** 2010 was another productive year with improvements to our school zones and promoting Safe Routes to School. The new school zone beacons and signage are providing better driver compliance with slower speeds, and focused enforcement has reminded everyone to respect school zone speed limits. West Lafayette Community Schools spearheaded a very successful "Walk to School Day" in October with hundreds of students, parents and family pets participating at both Happy Hollow and Cumberland Elementary Schools.

Planned Developments & Building Projects:

- **Lauren Lakes/Timberstone:** New developers have taken over the Lauren Lakes Planned Development. A rezone of the PD was approved after several months of discussion with homeowners and negotiations with the City and APC staff. The existing subdivision contained 130 lots, zoned R1. The revised PD adds another 517 lots of various sizes for a total of 647 lots to be developed.
- **Park Place Apartments:** A new apartment at the south end of Chauncey was completed in time for the 2010-2011 school year. Park Place Apartments was built to house 51 students in 23 units. 52 parking spaces were provided.
- **Westminster:** A new nursing care wing is being added to the existing Westminster facility. Design was completed in October 2010 and construction is on-going.
- **DOW:** New state-of-the-art greenhouse in the Purdue Research Park and labs in the Kurz Technology Building.
- **Innovatech:** Renovation of the former CTS facility progressed in 2010. Project is being coordinated with the Cumberland Ave. reconstruction and CTS's clean up of the site.

Subdivision Permits Issued in 2010:

- Arbor Chase: 41
- Prophet's Ridge: 10
- Wake Robin: 3 (Sewer tap permits only)
- Catherwood Gardens: 3
- Lauren Lakes: 7
- The Villas at Stonebridge: 8

Issued Permits, Reviews and Inspections:

- Total building permits issued: 346
- Total constructed dollar value: \$33,044,780.
- Total plan reviews: 326
- Total building inspections: 1141
- Total excavation permits issued: 264
- Total excavation inspections: 368
- Total NPDES permits issued: 6
- Total NPDES inspections: 61

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "D.M. Buck".

David M. Buck, P.E.
City Engineer